SONY

film & share

Handycam & Accessories 2004 / 2005

www.sony-imaging.com

You make it a Sony

Get your memories moving.
With Sony quality imaging

Thanks to breathtaking image quality and a host of new technologies, making home movies on a Sony Handycam has never been more rewarding. The Sony range is stylish, compact and full of user-friendly features so getting those great shots isn't hard at all, it's fun! With image quality like this, you can keep your memories moving – just as they should be.

New High Definition Video
HDV imaging excellence

Superb Images
Enjoy Sony quality

Easy to Use
The benefits of Handycam Station

Shoot on DVD
Easy playback with DVD Handycam

Find your Sony speciality ...

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* Sony DVD-R media recorded in Video mode can be played back on most Sony DVD players and recorders sold after the year 2000 and on a PlayStation®2. The 8 cm DVD-R discs used in a DVD Handycam are compatible with most PlayStation®2 consoles. When playing back an 8 cm DVD-R disc recorded in Video mode, always place the PlayStation®2 console in the horizontal position. PlayStation is a registered trademark of Sony Computer Entertainment Inc.
** We recommend a VAIO desktop or notebook.

PLAY

... or choose the best Handycam format for you

All six Handycam formats deliver excellent quality images. From new High Definition Video to DVD Handycam and miniature MICROMV, Sony movie magic is guaranteed.

HDV

A High Definition revolution
Record and play back in new ultra-high quality HDV – on regular DV tapes.

(see pp. 4-9, 24)

MiniDV

Pro settings
Meet professional film standards with a Sony semi-pro *Handycam.*

(see pp. 8-9, 24-25)

Beautiful colours
Upright design, Handycam Station convenience and all the imaging excellence of up to 3.3 megapixels. That's MiniDV, PC-style!

(see pp. 8-9, 25)

World-class design
Designed to take your breath away! Sony's super-compact HC Series *is smart in more ways than one.*

(see pp. 11-13, 24-25)

DVD R/RW

Shoot and play on DVD!
DVD means a revolution in home-movie making! Shoot directly onto DVD and simply play back your movie on a DVD player – in DVD quality.*

(see pp. 16-17, 26)

MICROMV

Tiny size, big style
For ultimate portability, your mini MICROMV comes with a recharging cradle, which makes watching movies easier too!

(see p. 25)

Digital 8

Crossover digital
*Quality digital films on affordable analogue tape! Digital 8 sharing is easy, so burn a DVD copy on your PC** or DVD recorder.*

(see p. 26)

Hi8

Full-feature analogue
Capture all the fun on analogue film – with 990x digital zoom, a big LCD and up to 16 hours of battery power!

(see p. 26)

For an Illustrated Product Overview, turn to pages 24-26. For the Technology Glossary, see pages 22-23.

Digital / Analogue Jacks
Thanks to i.LINK™, component and analogue AV jacks, you can watch your footage exactly as you wish.

16:9 LCD / 16:9 Colour Viewfinder
Frame your shot exactly as it will appear on TV with a 3.5" 16:9 hybrid LCD and 16:9 colour viewfinder.

Carl Zeiss Vario-Sonnar T* Lens
The T coating on this Carl Zeiss classic virtually eliminates ghosting and flaring.*

3 x 1.07 Mega CCDs
For optimal image definition, your Handycam records each primary colour (RGB) on its own dedicated chip.

On-handle Zoom
The HDR-FX1E's practical on-handle controls let you zoom and select from 8 zoom speeds.

Manual Features
You can manually adjust white balance, gain and iris ring rotation as well as shutter speed and image stabilisation, to name but a few.

Sony's High Definition Video revolution

HDV

Sony's new flagship HDR-FX1E High Definition (HD) Handycam delivers unprecedented Handycam film-making power – to put you right at the forefront of the HD revolution. Harness superb specs and be the first to create and enjoy your own HD images, in the exquisite quality only this format can offer.

Perfect balance
The superb array of manual and pre-adjustable automatic features on the HDR-FX1E gives you the control and precision you need to express your talents on film (see above).

A Sony world first

The Sony HDR-FX1E is no normal High Definition camcorder – it's the world's first consumer HD model to use the 1080i video signal, which gives you more pixels and a higher bit rate for astonishing image quality. What's more, the HDR-FX1E offers rare dual-format 'switchability' so you can record and play back on HDV 1080i *and* MiniDV. Whichever format you choose, with 16:9, three CCDs and the finest Vario-Sonnar T* lens from Carl Zeiss, this Handycam has the semi-pro features to do any film justice.

Recording Format	Number of pixels
1080i HDV	1440 x 1080
MiniDV	720 x 576

The 1080i HDV video signal gives you more pixels than MiniDV, for superior image resolution.

Switch to 1080i HDV

It's an HD world

With the growing popularity of the HD format, HD home movie-makers now enjoy applications previously reserved for regular DV. Thanks to non-linear editing (NLE) software and Sony's fast i.LINK™ interface, you can polish your footage on a PC like a VAIO desktop or notebook. And of course you can admire your finished HDV film on a Sony High Definition Ready WEGA Engine TV – and let the quality shine through. You'll adore the professional big screen feel when you watch your very first HDV movie.

HDV editing
Non Linear Editing software lets you rearrange HDV footage on your PC at home.

HDV connectivity
To transfer HD footage to an HD-ready PC or TV, simply hook up your Handycam with an i.LINK™, AV or component cable.

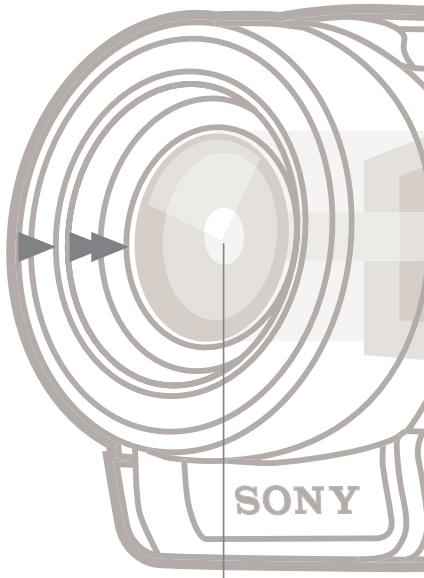
HDTV
Enjoy the beauty of your High Definition movie on a High Definition Ready TV.

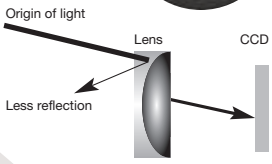
For full HDR-FX1E specifications, turn to page 24.
For the Technology Glossary, see page 22.

Engineered for excellence.
It's an image thing

MEGA PIXEL ENGINE

Watch any movie made on a Sony megapixel Handycam, and you can't help noticing the outstanding image quality. That's down to our new ultra-fast processors that give your Handycam time to repeatedly refine the quality of your images before they're recorded. From capture and conversion to signal noise reduction, the technology is flawless and the results are sublime. Make your movies with a Sony Handycam and you'll see what we mean.





ZEISS' special T coating cuts reflection by up to 70%.*

ZEISS

Carl Zeiss lenses

For the best possible supply of incoming light, nearly all Sony camcorders rely on a master lens from Carl Zeiss. ZEISS deliver with precision-crafted glass for world-class image definition. Two ZEISS lenses lead the field: the super-compact Vario-Tessar ensures even our smallest models record the sharpest images, while the Vario-Sonnar T lens uses ZEISS' own advanced T* lens coating to virtually eliminate ghosting and flaring. For the complete list of lens specifications, turn to page 27.*

Capturing

CCD technology

Light captured by the lens goes straight to the CCD, which is where Sony's record-breaking chip technology comes into play. Our chips give you up to 3.3 megapixels for that trademark Sony image accuracy (as a rule, the more pixels, the better the image quality). Most Sony CCDs also feature our electronic image stabilisation technology, so it won't matter if you wobble while you're recording. Gyroscopic sensors automatically alert the CCD, which corrects excess shaking at the moment of capture.

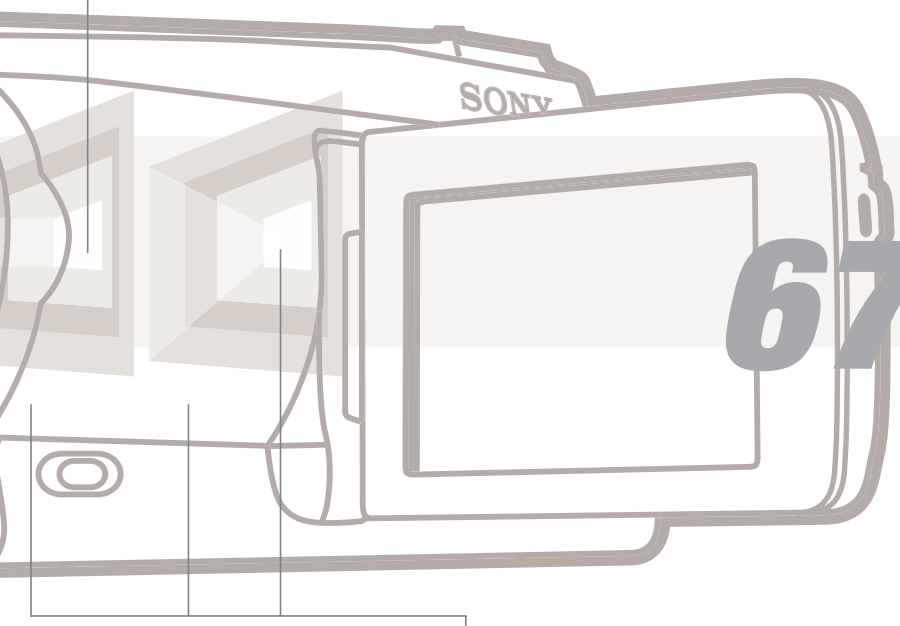
3CCD

3.31 3.05 MEGA PIXEL

Converting

14-bit DXP
A Sony megapixel Handycam uses 14-bit DXP technology to convert analogue light into digital signals with excellent levels of detail. And it can even correct under- or over-exposed shots.

Resolution Converter
When a Sony megapixel Handycam converts light into the Digital Video format, thanks to our new ultra-high speed signal processors, it can save every single bit of data passed on by the CCD – up to a huge 3 million pixels! By retaining this data, the Resolution Converter delivers unprecedented image quality.



67,5 MHz

Speed is the key to digital clarity – and a Sony Handycam processes your images phenomenally fast

Noise reduction

Advanced HAD™

Filming in poor light can't always be avoided and leaves lesser camcorders with 'picture noise' – fuzzy footage that's no fun to watch. But a Sony Digital Handycam uses Advanced HAD to cut out fuzz at the moment of conversion. This technology means the CCD can convert more light per pixel, reducing picture noise by up to 50%.

Raw Data Noise Reduction
This new Sony technology makes Advanced HAD more effective than ever. It applies noise reduction (NR) directly at source to the original image data, as your Handycam is reading it off the CCD. With quality like this, you'll be proud to show your movies to friends.

Inter-frame NR
This technology is only possible because your Handycam can work so fast. By quickly comparing successive frames, it isolates and reduces the type of signal noise that could adversely affect colour and luminance.

To view specifications for the whole Handycam range, turn to pages 24-27.

Movies or stills.
In Sony digital quality

3 CCDs make movies great

Our 3-CCD system harnesses the properties of natural light to capture movement in the finest detail – for big screen images you'll never forget.

3CCD

The magic of 3
Whether you're filming moving images or want to catch the still shot of your life, your Sony Digital Handycam won't let you down. When you select your Handycam, we offer a choice of different imaging technologies, depending on what type of image and what size of camcorder is more important to you. For superb moving image quality, for example, Sony semi-professional camcorders are driven by not just one but three CCD chips. The camcorder splits incoming light into the three primary colours, then records each colour on its own dedicated chip.

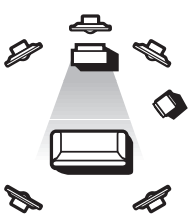
Optical Image Stabiliser
Sony semi-pro camcorders combat jerky movements with our ingenious Optical Image Stabiliser. Sensors respond by adjusting a prism fitted in front of the lens, or even the lens itself.

Click to DVD VAIO

Record in surround sound!
Enjoy the special depth and realism of genuine surround sound, even on your home movies! In combination with our 4-channel microphone* below, the DCR-HC1000E Handycam lets you record a 4-channel soundtrack, which you can then convert to 5.1-channel surround using Sony Click to DVD software on a VAIO desktop or notebook. Your surround sound DVD is ready to watch in no time at all.

Manual control at the flick of a switch! You can choose to adjust focus or zoom yourself with the ring on the DCR-HC1000E.

Microphones
The ECM-CQP1 4-channel microphone is ideal for recording 4-channel sound on the DCR-HC1000E.



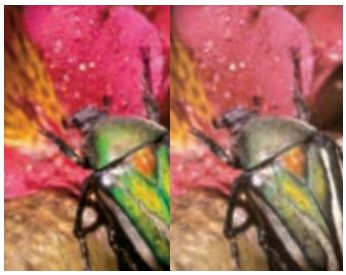
Home movies in realistic Dolby® surround
Enjoy 5.1-channel surround on a home theatre system – with 4-ch recording and the Click to DVD 2.0 software on selected VAIOs.

* 4-ch microphone not supplied

3 megapixels take fabulous photos

Compact imaging power

Just because most Sony camcorders are small enough to hold in the palm of your hand, it doesn't mean you have to compromise on image quality when you make your movies. With 3.3 megapixels packed into one chip, the DCR-PC350E Handycam gives you the moving *and* still imaging power typical of the super-compact Sony range. High numbers of pixels are ideal for taking excellent photos too. Combined with special Sony features like a Carl Zeiss lens and Primary Color Filter (see right), they'll deliver irresistible images for memories you'll treasure.



For beautifully natural images, our special filter converts all light into primary colours.

Primary Color Filter

Sony's Primary Color Filter delivers truly breathtaking colours. Like the 3 CCDs in our semi-pro camcorders, it splits incoming light into red, blue and green – the primary colours used to reproduce images on screens – so your footage looks more natural and warmer when you play it back on TV. And by doubling the green wavelength, it flatters to please – green is the colour picked up best by the human eye!

Lenses

Increase your imaging range with a High Grade wide or tele conversion lens like the VCL-HG0737X.

Tripods

A tripod such as the VCT-D680RM is ideal when you're waiting for that special shot – be it moving or still.

DCR-PC350E

3 megapixels make this compact Handycam ideal for high-quality still photography *and* movies.

To view the whole PC-style Handycam range, turn to pages 24-25.

Another day, another widescreen classic

Number of camcorder pixels	Increase in effective pixels on TV screen	Increased wide-angle recording
1.07 megapixels	+ 116%	+ 52%
2.11 megapixels	+ 318%	+ 111%
3.3 megapixels	+ 561%	+ 165%

Enhanced True Widescreen performance compared to 800,000 pixel camcorders with the zoom set to wide.

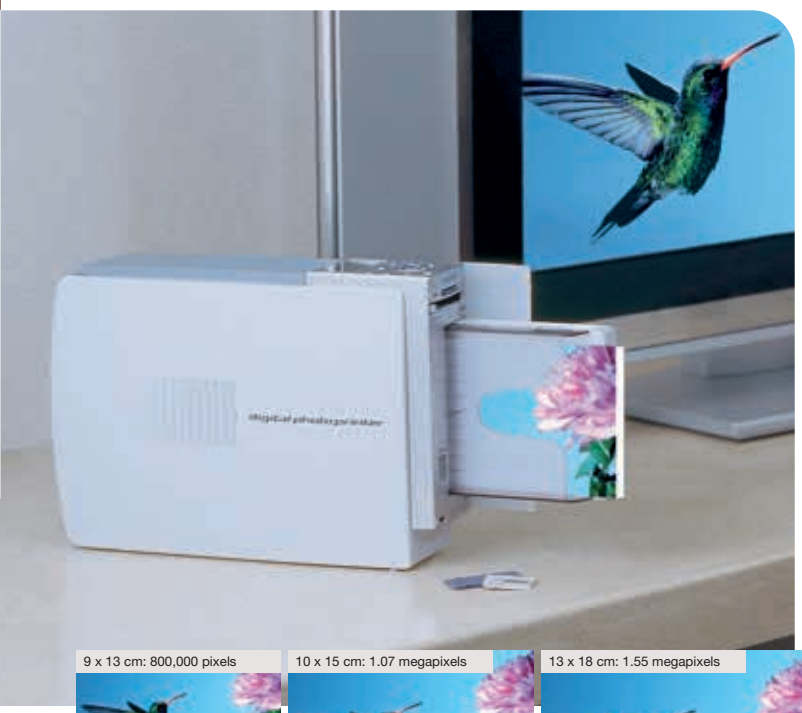
When you capture your life in Sony Handycam quality, the real buzz comes when you get your images home. Enjoy your life story on TV like a widescreen movie, or print out still photos – as sharp and true as on a digital camera.

Settle back with 16:9

Our high-quality True Widescreen (16:9) Recording Mode gives you the big-movie feel of genuine widescreen every time you play back your home movies on a widescreen TV. Each megapixel Sony Handycam can record footage in True Widescreen – for the enhanced resolution of up to 561% more pixels. True Widescreen also lets you capture a wider angle and get more of the scene you're recording into the frame.

Spare batteries
Make the most of Handycam portability with a spare battery like the NP-FP70 above.

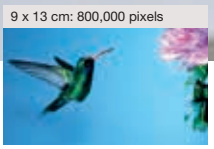
Print with digital precision

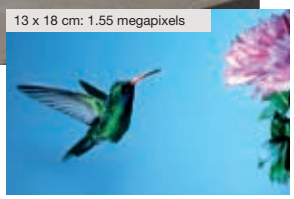


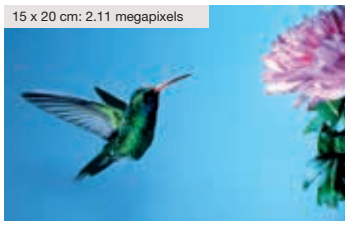
Don't be shy about sharing and showing off the still photos you take on your Digital Handycam. Thanks to excellent Carl Zeiss lenses and up to 3.3 megapixels of digital imaging power, whenever you print out your favourite shots at home, you're in for a special treat. You can edit your photos first on your PC* or print directly from a Sony Memory Stick™. Either way, the colours are vivid and the contours stay crisp.

Lenses
Capture stunning footage with High Grade wide and tele conversion lenses. Shown here: the VCL-HG0725.

Waterproof housings
A Sony sports housing like the SPK-HC lets you film underwater to depths of two metres.







Exact print size may vary according to printer and paper quality.

More pixels for bigger prints
As you can see from the image sequence above, the more pixels your Digital Handycam has, the bigger the photos you can print without losing any of that special Sony image quality. The Handycam range lets you print up to A4 size and beyond.

Given the imaging power of the DCR-HC40E, it's hard to believe it's so light and compact.

To view the extra-compact HC Series range, turn to page 24. For more accessories, see pages 18-21.

* We recommend a VAIO desktop or notebook.

Dock and go! *Your cradle recharges your Handycam's batteries and gives you a permanent connection to your TV, DVD recorder or PC**. Ideal for quick and easy playback, sharing and editing.*

Keep it charged and connected ...

... to your DVD recorder

... to your computer**

... or to your TV

Make more movies! Now it's so easy

Home movies are full of unforgettable images – but to make sure you capture those priceless moments, your Handycam has to be ready and easy to use. From Sony's 'dock-and-go' cradle to clever on-screen controls, your Handycam makes day-to-day movie magic a matter of course.

Charged and ready on your Handycam Station

If you've ever forgotten to recharge your Handycam before filming, you'll love Sony's Handycam Station. This smart cradle gives your Handycam* a home of its own, recharging the batteries so you're always ready when it's time to go. What's more, the cradle hooks up permanently to your PC**, TV or DVD recorder, so when you want to watch or copy your footage, it's already plugged in. Just dock your Handycam and you're all set.

Ingeniously Easy

Press Sony's unique **'Easy Handycam' button** and your camcorder takes over – automatically making excellent images for you! The button simplifies your on-screen menu and improves LCD legibility too.

The LCD puts more user-friendly features at your fingertips. Its practical on-screen controls make it easier to get great shots, even outside – Sony's **hybrid technology** keeps the display visible despite direct sunlight.

The closer, the better
To make filming much easier, we've put a second zoom button within easy reach, right on the edge of the LCD screen. Now you can use the display to adjust the zoom without having to change your grip.

Steady as you go
Film two-handed for extra stability thanks to Sony's 2nd record button. Ideal for filming yourself, awkward angles and viewing the display while you record.

Settings on the spot
The touch screen lets you adjust focus and exposure for any single element in your shot – simply by tapping the LCD screen!

Design your own menu
Special Sony technology means you can decide which features your LCD displays when you turn it on. Choose which language too!

Battery updates anytime
Handycam on or Handycam off – one touch on the battery button and the LCD instantly displays how much recording time you have left.

* To check which models are compatible with the Handycam Station, please turn to page 25.
** We recommend using a VAIO desktop or notebook.

Connect your Handycam to your PC with USB. Cut movies, burn CDs and more.*

Show everybody what you can do

With a Digital Handycam, you can share your footage and photos quickly and simply – so everyone can join in the fun! Burn copies on DVD or CD, send movies via e-mail or print out still photos on your printer at home. Sony offers you three transfer options: i.LINK™, Memory Stick™ and USB. Which is the best one for you?

Copy your movie with a DVD recorder …
Copy your home movie to a convenient, quality DVD. It's quick and easy with Sony's powerful i.LINK™ cable. Simply connect your Handycam to any DVD recorder fitted with an i.LINK™ socket, press one button and the rest is automatic.

Click to DVD

… or burn a DVD on your PC*
One click and it's done! With Sony's Click to DVD** software, you can make a perfect DVD copy on your computer's DVD burner. At the touch of one button, i.LINK™ quickly transfers full-quality footage straight to your burner. To make another copy, just click again.

Editing is easy with i.LINK™ too, thanks to the **unique dubbing features** on Sony DVD recorders. Your recorder automatically burns only the scenes you select on your Handycam display!

Transfer short e-Movies and photos to your computer with the supplied USB cable.*

Editing's so easy! Big menus clearly list your options and show you exactly what to do.

Good views travel fast – on USB

Sony's clever Picture Package™*** software makes cutting e-Movies and photos a lot of fun on your PC*. This software does just about everything for you – from music videos and slide shows, to special effects and Video CDs. Picture Package™ will even edit your movie automatically to match the music you pick. You just connect your Handycam to your PC, select a mood for your movie and in one click your video's edited and ready. Now that's user-friendly!

Big transfers, small stick

Store your images on a portable Memory Stick™ – you'll love it! It's so tiny you can take it with you wherever you go and show friends your short e-Movies (MPEG1) or still photos. Numerous digital devices are compatible with Memory Stick™ – so you can watch a slide show on TV, e-mail images from a computer* and print out your photos too.

Slot your Memory Stick™ into a VAIO and send an e-mail with a real live surprise.

Get an extra kick out of your movies – share a copy with friends on DVD or CD.

Memory Stick™ lets you select the photos you want to print.

* We recommend a VAIO desktop or notebook.
** Not available with the DCR-VX2100E, HDR-FX1E, DCR-DVD91E / -101E / -201E, DCR-IP1E and DCR-HC14E.
*** Not available with the DCR-VX2100E, HDR-FX1E, DCR-DVD91E / -101E / -201E, DCR-IP1E.

Film and play on your DVD. What could be simpler?

Sony's DVD Handycam makes home movies so much easier by recording directly onto a DVD disc instead of a tape. Thanks to DVD recording, now everyone can join in the fun.

You don't even need a camcorder to watch your footage on TV – just take the disc along when you visit family and friends and you can share your special scenes using their DVD player.

* Sony DVD-R media recorded in Video mode can be played back on most Sony DVD players and recorders sold after the year 2000 and on a PlayStation®2. PlayStation is a registered trademark of Sony Computer Entertainment Inc.
** We recommend using a VAIO desktop or notebook.

Shoot

Record the action straight to DVD – for images and sound in DVD quality.

Play and share

To watch your DVD movie, simply take out the disc and share it on one of these four DVD-playing devices – cable and camcorder-free!*

Now that's convenient!
The DCR-DVD201E DVD Handycam records on an 8 cm DVD-R / -RW disc.

DCR-DVD201E DVD Handycam

Your DVD Handycam records direct to DVD, so watching and sharing your movies is easy – on a DVD player and cable-free! Thanks to a Carl Zeiss Vario-Tessar lens and True Widescreen (16:9) Recording, DVD movie quality is guaranteed.

Spare batteries

With spare batteries you'll always get your shot! And a high-capacity spare can film a lot longer, like the NP-QM71D shown here.

DVD starter kit

The ACC-DVDM kit is packed with essential accessories to get you filming on DVD: a NP-FM50 InfoLITHIUM recharge-able battery, a DVD-RW disc plus extra disc case – and a high quality carrying case to keep it all safe.

Select

DVD divides your movie into digital chapters so you can go straight to the scene you want.

Edit

Preview, rearrange or erase your movies and photos with the thumbnail index – right on the LCD screen.

Copy and share

*For the ideal gift, copy your DVD movie using your computer's** DVD burner – no cable required!*

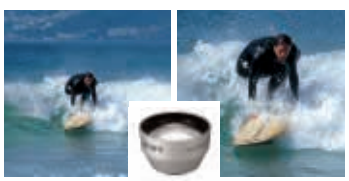
To view the whole DVD Handycam range, turn to page 26. More accessories on pages 18-21.

Make your own movie classic.
With some well-chosen extras

A lot of people are going to see your home movie, so you'll want to make it look special. We'll let you into a secret – a few well-chosen accessories make the world of difference …

Special lenses for fresh perspectives

For panoramic landscapes or confined spaces, a **wide-angle lens** *is a must. Give everyone plenty of room when you're filming close-up.*



Sony's precision **tele conversion lenses** *add character to your footage. Zoom up close for the all-important details of inaccessible subjects.*

Our **polarising filter kit** *removes unwanted reflections to ensure clear definition and vibrant colours. Ideal for shooting in sunshine.*

Batteries and chargers

Nothing's worse than running out of power just when you're about to film something great, but with Sony spare batteries your Handycam is always ready. You can recharge our InfoLITHIUM models as often as you like!

For the full range of Handycam accessories, please turn the page.

Tripods

Tripods do much more than just steady your shots (even professionals can't hold a camcorder level forever). They also give you the chance to film everybody together, 'camera-man' included.

Cases

Keep all your camcorder gear safe and sound with a sturdy Handycam carrying case. Sony offers a variety of stylish designs and sizes.

Lenses

Turn challenging conditions to your advantage with Sony's extensive range of high-quality lenses and filters. With the freedom to film from any angle, you can get creative for excellent shots (see left page).

Lights

Keep your subjects perfectly lit indoors and at night with a dedicated video light or extra flash. Our user-friendly Intelligent Accessory Shoe feature means the Handycam automatically switches the light on for you.

Printers

Printing out your favourite still shots at home is easy and quick with a dedicated Sony printer. Thanks to dye-sublimation printing technology, you can print in professional quality – without a PC!

Microphones

Pick up precisely the sound-track you want with a specialist Sony microphone. These light-weight accessories enhance voices and natural sounds to give your movie atmosphere that's genuinely unique.

Sports housings

With these rugged Handycam accessories, you can make movies wherever you go, whatever the weather – and your camcorder will stay safe and dry. Sports housings even let you film up to two metres underwater.

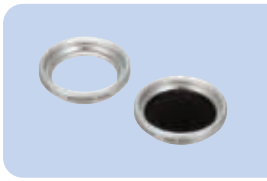
Extras make movie-making more fun!

Camcorder Type	DCR-DVD201E	DCR-DVD101E / 91E	DCR-IP1E	HDR-FX1E	DCR-VX2100E	DCR-HC1000E	DCR-PC350E	DCR-PC109E	DCR-PC107E / 106E	DCR-HC85E	DCR-HC40E / 30E	DCR-HC20E / 18E / 16E	DCR-HC14E	DCR-TRV460E	DCR-TRV265E / 255E	CCD-TRV428E / 228E
	DVD		MV	HDV						MiniDV				Digital 8		Hi8
Batteries																
NP-FP90 InfoLITHIUM P Series 7.2 V / 17.7 Wh (2460 mAh)										•	•	•				
NP-FP70 InfoLITHIUM P Series 7.2 V / 9.7 Wh (1360 mAh)										•	•	•				
NP-FP50 InfoLITHIUM P Series 7.2 V / 4.9 Wh (680 mAh)										•	•	•				
NP-F970 InfoLITHIUM L Series 7.2 V / 47.4 Wh (6600 mAh)				•	•											
NP-F770 InfoLITHIUM L Series 7.2 V / 31.6 Wh (4400 mAh)				•	•											
NP-F730 InfoLITHIUM L Series 7.2 V / 19.4 Wh (2700 mAh)				•	•											
NP-F550 InfoLITHIUM L Series 7.2 V / 10.8 Wh (1500 mAh)				•	•											
NP-QM91D InfoLITHIUM M Series 7.2 V / 29.8 Wh (4140 mAh)	•	•											•	•	•	•
NP-QM71D InfoLITHIUM M Series 7.2 V / 19.9 Wh (2760 mAh)	•	•											•	•	•	•
NP-FM50 InfoLITHIUM M Series 7.2 V / 8.5 Wh (1180 mAh)	•	•											•	•	•	•
NP-FF71 InfoLITHIUM F Series 7.2 V / 11.2 Wh (1560 mAh)			•			•	•	•	•							
NP-FF51 InfoLITHIUM F Series 7.2 V / 5.6 Wh (780 mAh)			•				•	•	•							
Chargers & Adaptors																
AC-VQP10 AC InfoLITHIUM Quick Charger / Adaptor P Series										•	•	•				
AC-SQ950D AC / DC InfoLITHIUM Super Quick Charger / Adaptor M Series	•	•											•	•	•	•
AC-VQ50 AC InfoLITHIUM Quick Charger / Adaptor M Series	•	•											•	•	•	•
AC-V700A AC InfoLITHIUM Quick Charger / Adaptor L / F100 Series				•	•											
AC-VF50 AC InfoLITHIUM Charger / Adaptor F Series			•			•	•	•	•							
BC-TRP AC InfoLITHIUM Charger P Series, compact model										•	•	•				
BC-TRF AC InfoLITHIUM Charger F Series, compact model			•			•	•	•	•							
BC-V615 AC InfoLITHIUM Charger L Series				•	•											
BC-VM50 AC InfoLITHIUM Charger M Series	•	•											•	•	•	•
DCC-L50B DC InfoLITHIUM Adaptor	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Kits																
ACC-DVP Starter Kit: NP-FP50 Battery, DV Tape and Soft Carrying Case										•	•	•				
ACC-DVF Starter Kit: NP-FF51 Battery, DV Tape and Soft Carrying Case							•	•	•							
ACC-DVDM Starter Kit: NP-FM50 Battery, DVD-RW and Soft Carrying Case	•	•														
ACC-DHM3 Starter Kit: NP-FM50 Battery, Hi8 / D8 Tape and Soft Carrying Case														•	•	•
Lights & Flash Lights																
HVL-20DM Battery Video Light 20 W / 10 W for Lithium-Ion M Battery	•	•											•	•	•	•
HVL-F5DF Battery Video (5 W) and Flash Light for Lithium-Ion F Battery						•	•	•	•							
HVL-IRM Video IR Light for Cold Accessory Shoe	•	•								•	•	•	•	•	•	•
HVL-IRH2 Video IR Light / Video Light 3 W for Intelligent Accessory Shoe	•	•					•	•		•	•/–					
HVL-S3D Video Light 3 W for Intelligent Accessory Shoe	•	•			•	•	•	•		•	•/–					
HVL-F10 Flash Light with LANC Control for Cold Accessory Shoe	•	•		•		•	•	•	•	•	•	•	•			
HVL-FDH4 Video (3 W) and Flash Light for Intelligent Accessory Shoe	•	•			•	•	•	•		•	•/–					
HVL-FH1100 Flash Light for Intelligent Accessory Shoe	•	•				•	•	•		•	•/–					
Lenses																
VCL-HG0725 High Grade Wide Conversion Lens 0.7x (25 mm lens)	•	•						•	•		•	•				
VCL-0625 S Wide Conversion Lens 0.6x (25 mm lens)	•	•						•	•		•	•				
VCL-HG2025 High Grade Tele Conversion Lens 2.0x (25 mm lens)	•	•						•	•		•	•				
VCL-2025 S Tele Conversion Lens 2.0x (25 mm lens)	•	•						•	•		•	•				
VCL-HG0730 High Grade Wide Conversion Lens 0.7x (30 mm lens)							•						•			
VCL-0630 S Wide Conversion Lens 0.6x (30 mm lens)							•						•			
VCL-HG2030 High Grade Tele Conversion Lens 2.0x (30 mm lens)							•						•			
VCL-2030 S Tele Conversion Lens 2.0x (30 mm lens)							•						•			
VCL-HG0737X High Grade Wide Conversion Lens 0.7x (37 mm lens)						•				•				•	•	•
VCL-0637 S Wide Conversion Lens 0.6x (37 mm lens)						•				•				•	•	•
VCL-HG2037X High Grade Tele Conversion Lens 2.0x (37 mm lens)						•				•				•	•	•
VCL-R2037 S Tele Conversion Lens 2.0x (37 mm lens)						•				•				•	•	•
VCL-HG0758 High Grade Wide Conversion Lens 0.7x (58 mm lens)					•											
VCL-HG1758 High Grade Tele Conversion Lens 1.7x (58 mm lens)					•											
VCL-HG0872 High Grade Wide Conversion Lens 0.8x (72 mm high performance lens)				•												
VCL-ES06A One Touch Wide Conversion Lens 0.6x (30 / 37 / 52 mm lens)						•	•			•			•	•	•	•
VCL-ES20A Tele Conversion Lens 2.0x (30 / 37 / 52 mm)						•	•			•			•	•	•	•
VCL-MHG07A High Grade Wide End Conversion Lens 0.7x (37 / 52 / 58 mm lens)					•	•				•				•	•	•
VCL-TW25 Twin Conversion Lens: Wide 0.7x Tele 2,0x for 25 mm lens	•							•	•		•	•				
VCL-SW04 Wide Conversion Lens 0.45x (25 / 30 / 37 mm lens)						•	•	•	•	•	•	•	•	•	•	•
VCL-ST30 Tele Conversion Lens (30 / 37 mm lens)						•	•						•	•	•	•
VCL-FS2K Super Zoom Tele Conversion Lens Kit (30 / 37 / 46 / 52 mm lens)	•	•			•		•	•	•	•	•	•	•	•	•	•
LSF-S58 Lens Hood for VCL-HG0758					•											
Microphones																
ECM-HS1 Mono Gun Zoom Microphone for Intelligent Accessory Shoe					•	•	•	•		•	•/–					
ECM-HM1 Narration Interview Microphone for Intelligent Accessory Shoe	•	•			•	•	•	•		•	•/–					
ECM-MSD1 Stereo Microphone for Cold Accessory Shoe				•	•	•	•	•	•	•	•	•	•			
ECM-CQP1 Powerful 4 Channel Surround Sound Microphone with Wide Stereo Mode	•	•		•	•	•	•	•	•	•	•	•	•			

Some camcorders and accessories may not be available in your country. Please check with your local dealer for more information. Subject to errors and technical changes.

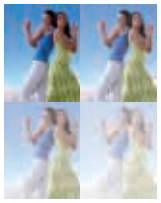
Camcorder Type

	DCR-DVD201E	DCR-DVD101E / 91E	DCR-IP1E	HDR-FX1E	DCR-VX2100E	DCR-HC1000E	DCR-PC350E	DCR-PC109E	DCR-PC107E / 106E	DCR-HC85E	DCR-HC40E / 30E	DCR-HC20E / 18E / 16E	DCR-HC14E	DCR-TRV460E	DCR-TRV265E / 255E	CCD-TRV428E / 228E
	DVD		MV	HDV				MiniDV						Digital 8		Hi8
Filter Kits																
VF-25CPK S PL Filter Kit: MC Circular Polarising Filter and MC Protector (25 mm lens)	•	•						•	•		•	•				
VF-30CPK S PL Filter Kit: MC Circular Polarising Filter and MC Protector (30 mm lens)							•						•			
VF-37CPK S PL Filter Kit: MC Circular Polarising Filter and MC Protector (37 mm lens)						•				•				•	•	•
VF-58PK PL Filter Kit: Polarising Filter and MC Protector, black colour (58 mm lens)					•											
VF-R25NK ND Filter Kit: Neutral Density Filter and MC Protector (25 mm lens)	•	•						•	•		•	•				
VF-30NK ND Filter Kit: Neutral Density Filter and MC Protector (30 mm lens)							•						•			
VF-R37NK ND Filter Kit: Neutral Density Filter and MC Protector (37 mm lens)						•				•				•	•	•
VF-370K Special Effect Filter Kit: Mirage, Centre Focus, Snow Cross (37 mm lens)						•				•				•	•	•
VF-30SC Special Effect Filter Kit: Soft, Cross (30 mm lens)							•						•			
VF-72CPK PL Filter Kit (72 mm lens)				•												
Rain, Sports, Marine Jackets & Housings																
LCR-PC2 Rain and Snow Jacket								•	•							
LCR-TRX5 Rain and Snow Jacket										•	•	•	•			
LCR-FXA Rain and Snow Jacket				•												
LCR-VX2000A Rain and Snow Jacket					•											
SPK-PC5 Sports Housing to protect your camcorder from water (up to 2 m deep)								•	•							
SPK-HC Sports Housing to protect your camcorder from water (up to 2 m deep)	•	•									•	•	•			
MPK-DVF6 Marine Housing for underwater shooting, up to depth of 75 m								•	•		•	•				
HVL-ML20M Underwater Light to use together with MPK-DVF6								•	•		•	•				
Cases																
LCS-VA5 All-purpose Soft Carrying Case	•	•	•			•	•	•	•	•	•	•	•	•	•	•
LCS-VA40, -VA30, -VA20, -VA10 All-purpose Soft Carrying Cases	•	•	•			•	•	•	•	•	•	•	•	•	•	•
LCS-HCB Soft Carrying Case											•	•				
LCS-IPY Soft Carrying Case for DCR-IP1E			•													
LCS-NCA Soft Carrying Case	•	•	•					•	•	•	•	•	•	•	•	•
LCS-ECA Soft Case for Compact Camcorder	•	•	•					•	•	•	•	•	•			
LCS-WVA Waist-Bag Type Soft Carrying Case	•	•	•				•	•	•	•	•	•	•	•	•	•
LCM-TRVA Semi-Soft Carrying Case													•			
LCM-PCY3 Case for PC-style Camcorder								•	•							
LCM-PCM Case for PC-style Camcorder							•	•	•							
LCS-VCB Soft Carrying Case				•	•											
LCM-DVDY Semi-Soft Carrying Case	•	•														
LCH-FXA Hard Carrying Case				•	•											
LCS-HC1000 Soft Carrying Case for DCR-HC1000E						•										
Tripods																
VCT-D480RM, -D580RM, -D680RM Tripods with Remote Control	•	•				•	•	•	•	•	•	•	•			
VCT-870RM Tripod with Remote Control (LANC terminal)	•	•		•	•	•	•	•	•	•	•	•	•			
VCT-1170RM Tripod with Remote Control (LANC terminal)	•	•		•	•	•	•	•	•	•	•	•	•			
VCT-R640 Tripod	•	•	•			•	•	•	•	•	•	•	•	•	•	•
VCT-MTK Travel Kit: Compact Size Tripod, Pouch, Cleaning Cloth	•	•	•					•	•	•	•	•	•	•	•	•
VCT-TK1 Pocket-sized Tripod	•	•	•			•	•	•	•	•	•	•	•	•	•	•
VCT-S30L Accessory Shoe Adaptor	•	•				•	•	•	•	•	•	•	•	•	•	•
Connectors																
VK-820 Connecting Cable for LANC 3pin-3pin	•	•						•	•	•	•	•	•			
VMC-14UMB2 USB Cable, 1.4 metres (A / mini-B)	•	•/–	•			•	•	•	•	•	•	•	•			
VMC-20FR AV Cable (AV mini - RCA)				•			•	•	•				•	•	•	•
VMC-15FS AV Cable, 10 Pin Special Terminal, S-Video & RCA	•	•	•			•				•	•	•				
VMC-IL4408A, -IL4415A, -IL4435A i.LINK™ Cables (4pin-4pin)			•	•	•	•	•	•	•	•	•	•	•	•	•	
VMC-IL4615, -IL4635 i.LINK™ Cables (4pin-6pin)			•	•	•	•	•	•	•	•	•	•	•	•	•	
Others																
KK-LC3 Cleaning Kit	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
RM-VD1 Remote Commander	•	•		•	•	•	•	•	•	•	•	•	•			
Memory Sticks and Connectivity																
MSH-128, -64, -32 Memory Stick™					•									•		
MSH-128S2 Memory Stick™ with Memory Select Function					•									•		
MSX-1G, -512, -256 Memory Stick PRO™														•		
MSX-M512N, -M256N Memory Stick PRO Duo™			•			•	•	•		•	•					
MSH-M128N, -M64N, -M32N Memory Stick Duo™			•			•	•	•		•	•					
MSAC-PC3 PC Card Adaptor for Memory Stick™ and MS* PRO			•		•	•	•	•		•	•			•		
MSAC-US30 For functionality please see footnote** below			•		•	•	•	•		•	•			•		
MSAC-M2 Memory Stick Duo™ and MS* PRO Duo Adaptor for Memory Stick™ slot			•			•	•	•		•	•					
LCH-MA Luxury Carrying Case for Memory Stick™			•		•	•	•	•		•	•			•		



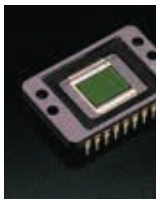
• indicates that accessory is compatible
– indicates that accessory is not compatible
* MS stands for Memory Stick™
** USB Adaptor for Memory Stick™, Memory Stick PRO™, Memory Stick Duo™, Memory Stick PRO Duo™, Memory Stick™ Select and MagicGate Memory Stick™

Technology that matters
for you and your movies



AE shift
Choose one of 9 exposure levels to adjust and set the brightness of your shot.

CCD
The chip that converts incoming light into digital signals. As a rule, the more pixels it has, the better your picture.



DV In / Out (i.LINK™)
Most Sony Digital Handycams come with DV out for transferring full quality footage to other devices using an i.LINK™ cable. DV in lets you transfer edited movies back to your Handycam.

Easy Handycam Button
Push this button to reduce the number of choices in the LCD menu and double the size of the writing. Ideal for beginners and people who find it hard to read small letters.

Cinematic Effects
Record in a cinema mode like 16:9 that automatically adjusts other pro settings, including gain, skin tone and many more. Progressive mode records 25 frames per second instead of 50 half-frames – for movies with that big film feeling.

Fader
Start and finish scenes with a choice of stylish fades. Fader automatically raises and lowers the volume as the picture fades in or out.

Battery Info Button
Press just one button to find out exactly how much recording time is left – even when your Handycam is charging or off.

Click to DVD
Click to DVD software lets you burn footage easily to a DVD disc, with just one click! (See pages 14-15 for compatible models).

Guide Frame
This handy grid on your LCD and viewfinder is ideal for adjusting horizontal and vertical alignment.

Data Code
Enables your Handycam to store useful information about your footage, e.g., date and time of recording and 16:9 mode. You can display the data as a reminder during playback if need be.

Handycam Station (cradle)
The Handycam Station recharges your camcorder so you're always ready for action. Whenever you slot in your Handycam, it's already connected to your TV or PC* (see pages 12-13).

Burst Recording
Lets your Handycam take still photos in quick succession.

Digital Picture Effects / Picture Effects
Add special effects like Still, Flash Motion, Slow Shutter, Luminance Key, Trail and Old Movie. **Picture Effects** offers you Black & White, Sepia, Mosaic and Negative Art.

High-quality 16:9 / True Widescreen Mode
Recording in True Widescreen mode offers huge gains in playback quality on widescreen televisions (see page 10).

Hybrid LCD Display
Hybrid technology means Sony LCDs stay legible despite bright light. Ideal for skiing and trips to the beach.

Intelligent Accessory Shoe
Automatically recognises and activates Sony Intelligent Accessories you connect, such as lights and microphones.

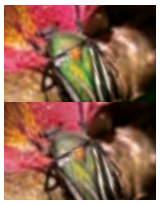
Intelligent Flash
Overrideable intuitive flash technology that automatically adjusts flash intensity in line with distance and exposure settings.

LANC
This flexible jack lets you operate your Handycam via remote control, for example, when filming from a compatible tripod.

Megapixel Engine
Ultra-fast processing is the key to our 'Megapixel Engine', a group of cutting-edge technologies that set Sony digital imaging apart from the rest. To find out more, turn to page 6.

NightShot / NightShot Plus / Super NightShot Plus
Find your subject and make movies in complete darkness with Sony's NightShot infrared technology. Thanks to new NightShot Plus, in semi-darkness you can even film in colour.

PictBridge**
Connect your Handycam directly to a PictBridge-compatible printer with USB cable. Print photos without a computer!



Primary Color Filter
For colour clarity rarely achieved in camcorders, our special filter splits incoming light into red, green and blue – the same frequencies used to reproduce colour on screens.

Program AE
Select a shooting mode to suit the conditions. Your Handycam automatically adjusts settings for 'Sunset and Moon', 'Spotlight' and more.

Sharpness Adjust
Choose from 8 sharpness settings to suit your subject – hard for the edges of buildings or softer for gentle human contours.

Signal Convert Function
Convert analogue footage or videos to digital film and you can edit or share them using a computer.

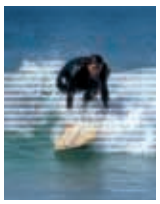
Smooth Interval Recording
Automatically stops and starts recording at set intervals – for great time-lapse footage, for example, of a flower opening or the sun setting.

Time Code
Very useful for quick, precise editing and searching. Sony MiniDV and Digital 8 Handycams automatically number and code each frame.

Touch Panel
Simply tap on the LCD display to access the menu! You can even set exposure and focus for the subject you touch on the screen.

USB
A fast and virtually universal form of cable and socket for transferring short e-Movies and still photos from your Handycam's Memory Stick™ to a computer or printer.

USB Streaming
Transfer footage live while you're shooting it! Use your Handycam as a webcam to see and talk to people over the Internet.



Zebra Pattern
To avoid white saturation and over-exposure, activate stripes on your viewfinder or LCD that highlight the problem area of the shot.

* We recommend a VAIO desktop or notebook.
** PictBridge is a trademark.

Find the ideal Handycam for you

HDR-FX1E

HDV

HDV standards

- HDV / DV switchability
- Optical Image Stabiliser
- 1440 x 1080 HDV resolution
- i.LINK™ DV in / out
- Component in / out
- On-handle zoom button
- Intelligent Accessory Shoe

High Definition Video Handycam with 3 x 1 megapixel CCDs and a host of manual features.

- Carl Zeiss Vario-Sonnar T* lens
- 1,070,000 pixel CCD x 3, 1 / 3"
- 12x optical zoom
- 3.5" 16:9 Hybrid LCD with 250,000 pixels
- 16:9 colour viewfinder
- 14-bit DXP

DCR-HC1000E

MiniDV

Semi-pro standards

- Optical Image Stabiliser
- Advanced HAD
- i.LINK™ DV in / out
- Intelligent Accessory Shoe

For model-specific features, see list at right

4-channel ready semi-professional MiniDV Handycam with 3 x 1.07 mega-pixel CCDs.

- 1,070,000 pixel CCD x 3, 1 / 4.7"
- Carl Zeiss Vario-Sonnar T* lens
- Zoom ring
- Multi-angle grip
- 2.5" Hybrid LCD

DCR-HC14E / DCR-HC16E / 18E / 20E / DCR-HC30E / DCR-HC40E

MiniDV

HC Series standards

- USB Streaming
- LCD Touch Panel
- SteadyShot
- Carl Zeiss lens
- Advanced HAD

For model-specific features, see list at right

DCR-HC14E

Extremely compact entry-level MiniDV Handycam with 10x optical and 640x digital zoom.

- Carl Zeiss Vario-Sonnar lens
- 800,000 pixel CCD
- i.LINK™ DV out
- NightShot

DCR-HC16E / 18E / 20E

Extremely compact MiniDV Handycam with USB Streaming and 2.5" LCD screen.

- Carl Zeiss Vario-Tessar lens
- 800,000 pixel CCD
- i.LINK™ DV out (DV in / out DCR-HC20E only)
- NightShot Plus

DCR-HC30E

Extremely compact MiniDV Handycam with DV in and Memory Stick™ compatibility.

- Carl Zeiss Vario-Tessar lens
- 800,000 pixel CCD
- i.LINK™ DV in / out
- Super NightShot Plus
- Memory Stick™
- Colour Viewfinder
- Digital Picture Effects

DCR-HC40E

Extremely compact megapixel MiniDV Handycam with DV in and Memory Stick™ compatibility.

- Carl Zeiss Vario-Tessar lens
- 1,070,000 pixel CCD, 1 / 5"
- 16:9 High-quality Mode
- i.LINK™ DV in / out
- Super NightShot Plus
- 14-bit DXP

DCR-VX2100E

Semi-professional 3 CCD MiniDV Handycam with high sensitivity in extremely poor light.

- 450,000 pixel CCD x 3, 1 / 3"
- 12x / 48x zoom (optical / digital)
- 1 lux sensitivity
- 2.5" LCD

DCR-IP1E

MICROMV standards

- 10x optical / 120x digital zoom
- i.LINK™ (MICROMV in / out)
- Super SteadyShot
- USB Streaming
- LCD Touch Panel
- Carl Zeiss Vario-Sonnar lens

The world's smallest megapixel tape camcorder with Handycam Station convenience.

- 1,070,000 pixel CCD, 1 / 5"
- Handycam Station
- 16:9 High-quality Mode
- 2.0" Hybrid LCD with 211.200 pixels

DCR-HC85E

2 megapixel extremely compact MiniDV Handycam with 3.5" LCD, DV in and Memory Stick™ compatibility.

- Carl Zeiss Vario-Sonnar T* lens
- 2,110,000 pixel CCD, 1 / 3.6"
- 3.5" Hybrid LCD with 123.000 pixels
- 16:9 High-quality Mode
- i.LINK™ DV in / out
- Pop-up flash
- Intelligent Accessory Shoe

DCR-PC106E / 107E

Upright PC-style MiniDV Handycam with Handycam Station convenience.

- Carl Zeiss Vario-Tessar lens
- 800,000 pixel CCD
- Handycam Station
- i.LINK™ DV out, (DV in / out DCR-PC107E only)

DCR-PC109E

Megapixel PC-style MiniDV Handycam with Handycam Station convenience.

- Carl Zeiss Vario-Tessar lens
- 1,070,000 pixel CCD, 1 / 5"
- Handycam Station
- 16:9 High-quality Mode
- i.LINK™ DV in / out
- Digital Picture Effects

DCR-PC350E

3.3 megapixel Handycam with Primary Color Filter and Handycam Station convenience.

- Carl Zeiss Vario-Sonnar T* lens
- 3,310,000 CCD, 1 / 3"
- Primary Color Filter
- i.LINK™ DV in / out
- Handycam Station

For DVD Handycam, Digital 8 and Hi8 models, turn the page.

For explanations of key features, turn back a page to the Technology Glossary.

More special Sony formats

DVD standards

DCR-DVD91E

- Carl Zeiss Vario-Tessar lens
- 10x optical / 120x digital zoom
- Save movies and still photos on same media
- Super SteadyShot
- Super NightShot Plus
- Advanced HAD
- Direct Access

For model-specific features, see list at right

Very compact entry-level DVD Handycam that records directly on an 8 cm DVD disc.

- 800,000 pixel CCD
- TAMINA battery power 8 h 25 min**

DCR-DVD101E

Very compact DVD Handycam with direct DVD recording, USB 2.0 and analogue in.

- 800,000 pixel CCD
- STAMINA battery power 8 h 25 min**
- USB 2.0
- Audio / Video in

DCR-DVD201E

Very compact megapixel DVD Handycam with direct DVD recording and True Widescreen Mode.

- 1,070,000 pixel CCD, 1 / 5"
- 16:9 High-quality Mode
- STAMINA battery power 7 h 35 min**

Hi8 standards

CCD-TRV228E / 428E

- Built-in light
- NightShot Plus
- STAMINA: more than 16 h max. recording time with optional battery
- Easy Handycam
- Battery Info Button

Compact analogue Hi8 Handycam with night filming capability and very powerful digital zoom.

- 20x optical / 990x digital zoom
- 2.5" LCD
- SteadyShot (CCD-TRV428E only)

Digital 8 standards

DCR-TRV255E / 265E

- 20x optical / 990x digital zoom
- USB Streaming
- SteadyShot
- Built-in light
- Battery Info Button
- Easy Handycam
- 2.5" LCD
- Digital Program Editing

For model-specific features, see list at right

Compact Digital 8 Handycam with USB Streaming and superb optical zoom.

- i.LINK™ DV out
- DV in / out (DCR-TRV265E only)
- NightShot Plus

DCR-TRV460E

Full-featured compact Digital 8 Handycam with Hi8 compatibility. Saves still photos to Memory Stick™.

- Hi8 / Video 8 playback compatibility
- LCD Touch Panel
- i.LINK™ DV in / out
- Super NightShot Plus
- Digital Picture Effects

For explanations of key features, turn to the Technology Glossary on page 22.

Check our specs

	DCR-DVD201E	DCR-DVD101E / 91E	DCR-IP1E	HDR-FX1E	DCR-VX2100E	DCR-HC1000E	DCR-PC350E	DCR-PC109E	DCR-PC107E / 106E	DCR-HC85E	DCR-HC40E / 30E	DCR-HC20E / 18E / 16E	DCR-HC14E	DCR-TRV460E	DCR-TRV265E / 255E	CCD-TRV428E / 228E
	DVD		MV	HDV	MiniDV									Digital 8		Hi8
Image Quality																
Number of Gross Pixels (CCD)	1,070,000	800,000	1,070,000	1,070,000 x 3	450,000 x 3	1,070,000 x 3	3,310,000	1,070,000	800,000	2,110,000	1,070,000 / 800,000	800,000	800,000	540,000	540,000	380,000
14-bit DXP	•	–	•	•	–	•	•	•	–	•	• / –	–	–	–	–	–
Advanced HAD	•	•	•	•	•	•	•	•	•	•	•	•	•	–	–	–
SteadyShot	•	•	•	Optical Image stabilizer	Optical Image stabilizer	Optical Image stabilizer	•	•	•	•	•	•	•	•	•	• / –
Lens	Carl Zeiss Vario-Tessar	Carl Zeiss Vario-Tessar	Carl Zeiss Vario-Sonnar	Carl Zeiss Vario-Sonnar T*	Sony	Carl Zeiss Vario-Sonnar T*	Carl Zeiss Vario-Sonnar T*	Carl Zeiss Vario-Tessar	Carl Zeiss Vario-Tessar	Carl Zeiss Vario-Sonnar T*	Carl Zeiss Vario-Tessar	Carl Zeiss Vario-Tessar	Carl Zeiss Vario-Sonnar	Sony	Sony	Sony
Optical Zoom	10x	10x	10x	12x	12x	12x	10x***	10x	10x	10x	10x	10x	10x	20x	20x	20x
Digital Zoom	120x	120x	120x	–	48x	150x	120x	120x	120x	120x	120x	120x / 120x / 100x	640x	990x	990x	990x
16:9 Widescreen (Full)	High-quality	•	High-quality	High-quality	•	High-quality	High-quality	High-quality	•	High-quality	High-quality / •	•	•	•	•	•
Audio System	Dolby® Digital AC3 2 Ch.	Dolby® Digital AC3 2 Ch.	MPEG 1 Audio Layer 2	MPEG 1 Audio Layer 2	PCM (12 bit / 16 bit)	PCM (12 bit / 16 bit)	PCM (12 bit / 16 bit)	PCM (12 bit / 16 bit)	PCM (12 bit / 16 bit)	PCM (12 bit / 16 bit)	PCM (12 bit / 16 bit)	PCM (12 bit / 16 bit)	PCM (12 bit / 16 bit)	PCM (12 bit / 16 bit)	PCM (12 bit / 16 bit)	Hi-fi Mono
Ease of Use																
Handycam Station	–	–	•	–	–	–	•	•	•	–	–	–	–	–	–	–
Easy Handycam	–	–	–	–	–	–	•	•	•	•	•	•	•	•	•	•
Personalisable Menu	–	–	•	•	–	•	•	•	–	•	•	–	–	–	–	–
Fader	3	3	3	2 + Shot Transition	5	7	7	7	4	7	7	4	4	7	4	5
Program AE	6	6	6	–	6	6	6	6	6	6	6	6	6	6	6	6
Hybrid LCD Screen	•	•	•	•	•	•	•	•	•	•	•	•	–	–	–	–
LCD Size	2.5"	2.5"	2"	Wide 3.5"	2.5"	2.5"	2.5"	2.5"	2.5"	3.5"	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"
Touch Panel (on LCD)	–	–	•	–	–	•	•	•	•	•	•	•	•	•	–	–
Spot Focus (on Touch Panel)	–	–	•	–	–	•	•	•	•	•	•	•	•	•	–	–
Spot Meter (on Touch Panel)	–	–	•	–	–	•	•	•	•	•	•	•	•	•	–	–
Battery Info Button	•	•	•	•	–	•	•	•	•	•	•	•	•	•	•	•
Digital Picture Effects	2	2	6	–	6	5	8	6	–	6	6	-	-	6	–	–
Picture Effects	4	4	6	–	6	5	6	6	6	6	6	6	6	6	8	8
Viewfinder	Colour	Colour	Colour	Wide Colour	Colour	Colour	Colour	Colour	B & W	Colour	Colour	B & W	B & W	B & W	B & W	B & W
Compact Size																
Size Reference: Weight Without Tape and Battery (g)	500	490	230	2000	1500	780	440	385	375	640	400 / 380	380	520	910	890	890
Connectivity																
i.LINK™ (DV in & out)	–	–	•	•	•	•	•	•	• / DV out	•	•	• / DV out / DV out	DV out	•	• / DV out	–
S-Video, Video (in & out)	•	• / out	•	• + Component	•	•	•	•	out	•	•	out	out	•	out	out
USB Streaming* (Webcam Function)	USB 2.0	USB 2.0 / –	•	–	–	•	•	•	•	•	•	•	•	•	•	–
Software	Image Mixer	Image Mixer	Image Mixer, MovieShaker™	–	–	Picture Package™	Picture Package™	Picture Package™	Picture Package™	Picture Package™	Picture Package™	Picture Package™	Picture Package™	Picture Package™	Picture Package™	–
Still Photo Functions (DSC)																
Flash	–	–	–	–	–	Automatic Pop-up	Built-in	–	–	Automatic Pop-up	–	–	–	–	–	–
Burst Record	Normal Speed	Normal Speed	Normal Speed	–	Normal Speed	Normal Speed	High Speed	Normal Speed	–	High Speed	Normal Speed / –	–	–	–	–	–
Photo Mode on Memory Stick™ / DVD	1152 x 864	640 x 480	1152 x 864	–	640 x 480	1152 x 864	2016 x 1512	1152 x 864	–	1600 x 1200	1152 x 864 / 640 x 480	–	–	640 x 480	–	–
Max. Number of Photos Recordable (on Supplied Memory Stick™ / DVD)	8600	8600	120	–	120	120	240	120	–	120	120	–	–	–	–	–
MPEG Movie (e-Movie)	–	–	EX	–	–	EX	EX	EX	–	EX	EX	–	–	EX	–	–
Others																
Built-in Light	–	–	–	–	–	–	–	–	–	–	–	–	–	•	•	•
NightShot	Super NightShot Plus	Super NightShot Plus	–	–	–	–	Super NightShot Plus	Super NightShot Plus	NightShot Plus	Super NightShot Plus	Super NightShot Plus	NightShot Plus	NightShot	Super NightShot Plus	NightShot Plus	NightShot Plus
Intelligent Accessory Shoe	•	•	–	–	•	•	•	•	–	•	• / –	–	–	–	–	–
Max. Continuous Recording Time With Optional Battery**	7 h 35 min	8 h 25 min	2 h 50 min	6 h 25 min	9 h 10 min	2 h 30 min	3 h 30 min	3 h 30 min	3 h 30 min	5 h 20 min	6 h 20 min / 7 h 50 min	8 h 5 min	12 h 5 min	10 h 25 min	12 h 5 min	16 h 50 min
Dubbing and Editing	Playlist & Original Edit	Playlist & Original Edit	–	Dubbing	Digital Program Editing	Digital Program Editing	Digital Program Editing	Digital Program Editing	Digital Program Editing	Digital Program Editing	Digital Program Editing	Digital Program Editing	Digital Program Editing	Digital Program Editing	Digital Program Editing	Easy Dubbing
Hi8 and Video 8 Playback	–	–	–	–	–	–	–	–	–	–	–	–	–	•	–	•
Wireless Remote Commander	•	•	•	•	•	•	•	•	•	•	•	• / • / –	•	•	• / –	•

* All models with USB Streaming capability supplied with USB cable and driver
** Time using optional battery based on continuous recording at 25° with viewfinder and without LCD, zoom or auto focus
*** 8,5x optical zoom in still photo mode

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